are 1.4 connected skills, connected teaching

QUIRY ROCESS	INQUIRY SKILLS AND STRATEGIES	LITERACY SKILLS AND STRATEGIES	TEACHING STRATEGIES
menect	Connect to own experience	Relate reading to own life (text-to-self connections) in pre-reading discussions and during reading	Guided imagery Learning logs
	Connect to ideas of others	Use speaking, listening, reading, and writing to share and connect to the ideas of	Reading and writing workshop
	Connect to previous knowledge and verify its accuracy	Activate prior knowledge (text-to-world connections)	K-W-L chart (what do you Know, what do you Learned) and variations
			Small-group discussions and dialogues Webbing
	Gain background and context Discover complexities Discover areas of particular interest Develop overview, framework of accurate information	Understand language as a function of context (text-to-text connections) Develop vocabulary in the context of a discipline Recognize patterns of text that are used for different purposes	Subject-specific word walls Vocabulary in context (word exploration, concept maps)
		Gain background knowledge to develop a framework for understanding new ideas (text-to-world connections)	Pre-reading aids (visual organizers, structured overviews, semantic maps

Camera			Anticipation guide (statements with which students can agree or disagree)
1,			to identify prior knowledge, common misconceptions, key ideas)
	Establish preliminary contact with idea through observation or experience in	Observe details of written or visual text to identify current understandings and	Concept maps
	order to build personal understanding and identify gaps in information or	generate questions	Lectures, textbooks, videos
	understanding		Engagement and exploration activities
			Observation protocol and log: I Notice / I Know / I Wonder
			Facilitated conversation to process experience, observations
			Use of primary sources and artwork for initial observations and discovery

INQUIRY	INQUIRY SKILLS AND	LITERACY SKILLS AND STRATEGIES	TEACHING STRATEGIES
PROCESS Wonder	STRATEGIES Develop wonder questions that will lead to new understandings about key ideas	Develop questions before reading a passage	Class brainstorming
enement i della	Frame questions using: Context of prior knowledge Focus and framework of instructional unit, including essential questions Different levels of thinking, with a push to higher levels (e.g., asking "Why?" and "How?" in addition to asking "What?")	Develop questions to push the level of comprehension: • Ask "Why is this information important?" and "How does it fit with what I already know?" in addition to asking "What does this passage say?" • Ask "What does this passage mean to me?"	Peer questioning
TOTAL THE REAL PROPERTY OF THE	Develop questions to lead to active investigation and decision making, not to passive information gathering (e.g., "What would happen if ?")	Develop questions that will lead to looking for gaps in information and areas that require interpretation: • Ask "What information has been left out of this passage?" "Why?" • Ask "What is the author's purpose?"	Question stems
Company (sp.) which is a second and the second and	Make predictions or hypotheses based on prior knowledge, background information, and preliminary observations: • Predict answers to wonder questions • Predict what type of information will answer questions (e.g., statistics, narratives, nonfiction resources)	Before and during reading, predict upcoming text, answers to questions	Anticipation Guide

Investigate	Plan investigation and develop search	Identify types of texts and purposes for each	Questioning the author
In-cougate	strategies to find relevant, high-quality	lacinity types of texts and purposes for each	Zaconoming me addies
	information (e.g., consider types of	Determine reading strategies by type of text	Time for independent reading and
and the second s	sources, types of information, search		investigation
or of the state of	terms, timeline)	Use text structure to extract meaning from	
E-9449		text:	Think-aloud by teacher
NAME OF THE PROPERTY OF THE PR	Identify, evaluate, and use multiple	Organization of different types of text	
	sources of information	(e.g., narrative, expository, poetry,	Frames (visual representations) of
† •	Use criteria to evaluate all sources,	drama)	important content in text. Teacher
	particularly non-refereed Web sites	Text patterns (e.g., classification,	can fill in main ideas beforehand, class can fill in together during class
	• Consider comprehensiveness, format,	comparison, explanation, characteristics,	discussion, students can fill in
	purpose, multiple points of view,	justification of thesis, cause/effect,	individually as they read.
o de como de c	organization of information within source, accessibility, quality and	chronology, criticism, problem/solution) • Text organizers (e.g., chapters, headings,	Problem-solution
	authoritativeness, currency	subheadings, bold, italics, boxed	Main idea, details
	Seek diverse sources	information)	Theory, evidence
0.00	Sook diverse sources	Graphic information (e.g., pictures,	Ouestion-answers
	Find and evaluate information to answer	charts, maps, graphic representations)	Comparison/contrast
	questions:		Chronological sequence
	Paraphrase, summarize, interpret,	Use global reading strategies to extract	Explanation, evidence, examples
	and evaluate information	meaning from text:	-
	Find and evaluate main ideas	 Skim, scan, read for main ideas, read for 	Modeling of use of strategies by
	Find and evaluate supporting	details	teacher
and the same of th	evidence, conflicting evidence	Paraphrase	
	Select information to keep or discard	Summarize	Read-aloud, Inquire-aloud
	Consider author's point of view and	Generate questions while reading	Cuided prestice
	its impact on the information	Distinguish between main ideas and	Guided practice
-		topic	

Figure 1.4 (continued)

INQUIRY PROCESS	INQUIRY SKILLS AND STRATEGIES	LITERACY SKILLS AND STRATEGIES	TEACHING STRATEGIES
Investigate (cont.)	 Distinguish among facts, point of view, and opinion Detect bias, inaccuracy 	Use cues for finding main ideas (e.g., signal words, topic sentences) Determine author's point of view	After each paragraph, students summarize main idea and write a question about it
	Take notes using a variety of formats (e.g., learning logs, graphic organizers)	Use a variety of reading response formats to aid in extracting meaning and generating interpretations of text (e.g., reading response journals, graphic organizers, two-column	Students make graphic organizers Students create semantic maps
	Use information and information technology responsibly, efficiently, and ethically (e.g., responsible use of the	response logs)	Students make marginal notes Students draw pictures
	Internet, no plagiarism, no violations of copyright)	Monitor own comprehension	Response journals
	 Think about the information to formulate new questions, hypotheses Identify gaps and conflicting information Consider alternative explanations and predictions Consider new questions to extend 	Make new predictions, ask new questions to lead to further reading	 Two-column notetaking: Notes / Reflections Main Idea / Details, Examples Ideas from Text / Connections to Prior Knowledge
	the investigation into a new area		

Construct	Organize information to detect	Use visual literacy to organize ideas and	Use Visual Tools for Constructing
	relationships among ideas	extract meaning from different formats of	Knowledge to provide visual
***************************************		text (e.g., illustrations, graphics, layout)	organizer templates and advance
200	Draw inferences justified by the		organizers to help students organize
	evidence	Interpret the meaning of the text:	thinking and discover patterns and
	1	Test against predictions	relationships in information
	Think about the information to test	Find patterns and relationships among	· '
	predictions and hypotheses:	ideas in the text	Questioning: Teacher-to-student,
1	Compare evidence to hypotheses	Identify new information and compare to	student-to-teacher, student-to-student
	Compare patterns in data with what	prior knowledge	
	is already known	Make inferences based on information	Class discussion
Co.	Use evidence to construct reasonable	explicit in the text; use evidence from the	
an parties an	explanations	text to support inferences	Quick writes or directed writing of
	Connect results with larger body of	**	interpretations on specific questions
	knowledge	Recognize authors' points of view and	or specific sections of text
	_	consider alternative perspectives	
	Recognize authors' points of view and		Cooperative learning: Shared inquiry,
	consider alternative perspectives	Draw conclusions about the meaning and	shared reading, interactive writing,
0.000		implications of the text, using supporting	peer review of writing
	Construct clear and appropriate	evidence from the text	Designated Associates
	conclusions (new understandings) based		Reciprocal teaching
	on evidence, explanations,	Connect reading to own experience (text-to-	Composing evidence to hymotheses to
N D	interpretations, and connections to the	self), previous knowledge and the real	Comparing evidence to hypotheses to
o contract	world of ideas and human experience	world (text-to-world), and previous reading	generate new explanations: Evidence that Supports / Evidence
	C	(text-to-text)	that Refutes → New Explanation
	Connect new understandings to	Common many ideas with ideas marri	mai resulted 7 from Empianation
	previous knowledge to be sure that old,	Compare new ideas with ideas previously held	Record → Elaborate → Extend
	inaccurate, and naive mental models have been modified	liciu	
	nave been modified		

Figure 1.4 (continued)

INQUIRY PROCESS	INQUIRY SKILLS AND STRATEGIES	LITERACY SKILLS AND STRATEGIES	TEACHING STRATEGIES
Express	Apply understandings to new context, new situation—create a product to demonstrate new understanding Select format based on needs of topic and audience	Use appropriate format to communicate understanding Select format based on needs of topic and audience	Writer's workshop
	Communicate clearly both main and supporting points in product Use the writing process to develop product (pre-write, write, revise, edit) Evaluate and revise own product based on self-assessment and feedback from others Express new ideas or take action to share learning with others: • Communicate procedures and explanations for outcomes • Communicate conclusions and evidence for them • Communicate interpretations and evidence for them • Respect diverse opinions and alternative explanations, but defend own conclusions with evidence	Select an organizational pattern based on needs of topic and discipline (Writing in the Content Areas): Classification Comparison Characteristics Justification of thesis (position paper, interpretation, cause/effect, statistical) Chronology Claims and causes Causes, consequences, and conditions Criticism Use the writing process to develop product (pre-write, draft, revise, edit, publish) in any format (e.g., written, presentation, visual, Web page)	Use of graphic organizers in pre- writing and writing stages Reciprocal teaching Literate conversations (e.g., literary circles, discussion groups) Use of rubric with specific criteria Student collaboration to assess the strength of arguments (Believe / Doubt) (Jacobs, 2000) Debates

Express (cont.)	 Communicate to make thinking clear to others Communicate to persuade others to adopt a point of view or interpretation 	Evaluate and revise own product based on self-assessment and feedback from others	Teacher and peer conferencing
Reflect	Set high and clear standards for own work Reflect with others Use criteria to assess own process and product throughout the learning; make revisions when necessary	Use specific criteria in rubrics to assess the quality of the final product Use feedback from peers and teacher to assess own work	Metacognitive strategies Students assess own progress in skills, content learning Feedback that is corrective, timely, specific to a criterion, self-generated, and generated by teacher and peers (Marzano et al. 2001, 92–102)
TOTANGENERAL PROPERTY CONTRACTOR (ACCOUNT)	Reflect on own learning to be clear about the change in understanding (change in mental model) Adapt own standards and process based on personal reflection and feedback from others	Identify new understandings and new questions	Reflection log: • I Used to Think / But Now I Know
WONEY WAS RECEIVED AND THE CONTROL OF THE CONTROL O	Ask new questions, set new goals for learning	Set new goals for reading, writing, speaking, and listening	Portfolio reflections Student-written individualized learning plans